

## GPR81-C322 Blocking Peptide

Synthetic peptide  
Catalog # BP6361c

### Specification

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#### GPR81-C322 Blocking Peptide - Product Information

Primary Accession [O9BXC0](#)  
Other Accession [NP\\_115943](#)

#### GPR81-C322 Blocking Peptide - Additional Information

Gene ID 27198

#### Other Names

Hydroxycarboxylic acid receptor 1, G-protein coupled receptor 104, G-protein coupled receptor 81, HCAR1, GPR104, GPR81, HCA1

#### Target/Specificity

The synthetic peptide sequence is selected from aa 324-346 of HUMAN HCAR1

#### Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

#### Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

#### GPR81-C322 Blocking Peptide - Protein Information

Name HCAR1

Synonyms GPR104, GPR81, HCA1

#### Function

Acts as a receptor for L-lactate and mediates its anti-lipolytic effect through a G(i)-protein-mediated pathway.

#### Cellular Location

Cell membrane; Multi-pass membrane protein.

#### Tissue Location

Expressed abundantly in brown and white fat. It also detectable at lower levels in liver, kidney, skeletal muscle, brain and pituitary. Not detected in frontal, temporal and occipital lobes of the cortex, basal forebrain, caudate nucleus, nucleus accumbens and hippocampus.

## **GPR81-C322 Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **GPR81-C322 Blocking Peptide - Images**

## **GPR81-C322 Blocking Peptide - Background**

G protein-coupled receptors (GPCRs, or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. Northern analyses revealed GPR81 expression in the pituitary.

## **GPR81-C322 Blocking Peptide - References**

Mao, M., et al., Genomics 83(6):989-999 (2004).

Lee, D.K., et al., Gene 275(1):83-91 (2001).